

Strata Mine Services Plug Seal to withstand an overpressure of 120 psi

MSHA SEAL APPROVAL NUMBER 120-75.336.1.08.28.0

This approval is for a cementitious based material plug seal designed to withstand an overpressure of 120 psi. The seal is designed for mine openings ranging from 3 foot to 16 foot in height, and 16 foot to 24 foot in width. The seal is designed for areas that are not expected to encounter significant ground convergence.

The required thicknesses and the construction requirements are detailed in a report entitled "Proposed Alternative Ventilation Seal Design, Strata Mine Services, Inc, Medium Strength Stratacrete Plug Seal", dated March, 2008, prepared by Engineering Consulting Services, Inc., Lexington, KY.

The required minimum thickness of the seal depends on the height and width of the mine entry at the seal location (after loose and unsuitable material is removed). The required minimum thicknesses are outlined in a table in the report. The seal design is certified by a registered Professional Engineer.

For detailed information on the use and application of this seal, please contact Mike Fabio, Senior Development Engineer, Strata Products (USA), Inc. at (724)256-0284, mfabio@strataproducts.com or Jeff Hamrick, Vice President and General Manager, Strata Mine Services at (740)695-6880, jhamrick@stratamineservices.com.